



State of New Jersey

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Optimum Asphalt Content

94056 ADU

April 11, 1995

MEMORANDUM

All Design Units

Subject: Revision to Subsections 903.02 and 903.05 of the 1989 Standard Specifications

Subsection 903.02 and 903.05 of the 1989 Standard specifications have been revised to provide the Resident Engineer a greater measure of control when determining the use of the optimum percentage of asphalt cement based on the aggregate characteristics. Also, the lower limit of the asphalt cement content (Subsection 903.05, Table 903-1) for the I-2, I-3, I-4 and I-5 mixes have been raised by 0.5.

The Supplementary Specifications for all projects which require the construction of bituminous concrete courses, shall include the following revised text.

The following is inserted after line 5584 of SI89 ROAD7:

OX THE THIRD SENTENCE OF THE SECOND PARAGRAPH IS CHANGED TO:
X
OX THE JOB MIX FORMULA, INCLUDING THE MANUAL BATCH PLANT
OX TOLERANCES SHOWN IN THE SUBSECTION 903.05, TABLE 903-2, SHALL BE
X WITHIN THE MASTER RANGE SPECIFIED IN SUBSECTION 903.05, TABLE
X 903-01; EXCEPT THAT WHEN THE OPTIMUM PERCENTAGE OF ASPHALT CEMENT
X IS LESS THAN SPECIFIED, THE ENGINEER MAY APPROVE THE USE OF THE
OX OPTIMUM ASPHALT CONTENT PROVIDED IT IS NOT BELOW THE LOWER LIMIT
X OF THE MASTER RANGE LISTED IN SUBSECTION 903.05, TABLE 903-1.
X

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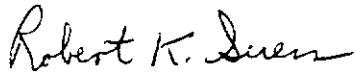
The following is inserted after line 5614 of SI89 ROAD7:

OX TABLE 903-1 BITUMINOUS CONCRETE MIXTURES
X -----
X
OX REPLACE THE ASPHALT CEMENT PORTION OF THIS TABLE WITH THE
X FOLLOWING:
X
OX ASPHALT CEMENT, PERCENT BY WEIGHT OF TOTAL MIXTURE
X
OX I-1 I-2 I-3 I-4 I-5 I-6
X 2.5 - 3.1 4.0 - 8 4.5 - 8.5 5.0 - 9.5 5.5 - 10 7 - 12
X

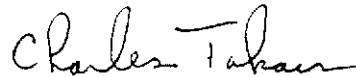
The above revisions are also included in the GET FILE G90300 RAP26503, a copy of which is attached to the All Design Units Memorandum dated April 12 1995, entitled "Bituminous Concrete Plants - RAP".

RECOMMENDED BY:

APPROVED BY:



Robert K. Suess, Manager
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Charles F. Takacs
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Implementation Code B

CFT:RKS:KS:jly